INDEX OF AUTHORS

ARTHUR, D. R. The feeding mechanism of *Ixodes ricinus* L. (With 15 Figures in the Text), 154
ARTHUR, D. R. and EDWARDS, E. E. A note on an unusual male tick from Glamorgan. (With 6 Figures in the Text), 152

BATHAM, E. J. Testing arecoline hydrobromide as an anthelmintic for hydatid worms in dogs. (With 4 Figures in the Text), 185
BISHOP, ANN and GILCHRIST, BARBARA M. Experiments upon the feeding of *Aëdes aegypti* through animal membranes with a view to applying this method to the chemotherapy of malaria. (With 2 Figures in the Text), 85

CAMBOURNAC, F. J. C. *See* FONSECA, F.
CHANG, SHIH LU. Studies on *Entamoeba histolytica*. IV. The relation of oxidation-reduction potentials to the growth, encystation and excystation of *Entamoeba histolytica* in culture. (With 1 Figure and 9 Graphs in the Text), 101
CUNHA, A. *See* FONSECA, F.

EDWARDS, E. E. *See* ARTHUR, D. R.

FONSECA, F., CAMBOURNAC, F. J. C., PINTO, M. R., PEREIRA, J. M. and CUNHA, A. Studies on the exo-erythrocytic cycle of malaria. (With Plate III), 114

GILCHRIST, BARBARA M. *See* BISHOP, ANN

LEA, D. E. *See* SMITH, KENNETH M.
LEES, A. D. The water balance in *Ixodes ricinus* L. and certain other species of ticks. (With 8 Figures in the Text), 1
LEES, A. D. Chloride regulation and the function of the coxal glands in ticks. (With 10 Figures in the Text), 172
LEWIS, E. ANEURIN. Nairobi sheep disease: the survival of the virus in the tick *Rhipicephalus appendiculatus*. (With 6 Figures in the Text), 55
LEWIS, E. ANEURIN, PIERCY, S. E. and WILEY, A. J. *Rhipicephalus neavei* Warburton, 1912 as a vector of East Coast Fever. (With 4 Figures in the Text), 60

MACKINNON, DORIS L. *See* PHILLIPS, NADA E.
MILNE, A. The ecology of the sheep tick, *Ixodes ricinus* L. Distribution of the tick on hill pasture. (With 2 Figures in the Text), 75

NATARAJ, S. *See* ROONWAL, M. L.

PEREIRA, J. M. *See* FONSECA, F.
PHILLIPS, NADA E. and MACKINNON, DORIS L. Observations on a monocystid gregarine, *Apolocystis elongata* n.sp., in the seminal vesicles of *Eisenia foetida* (Sav.). (With 45 Figures in the Text), 65
PIERCY, S. J. *See* LEWIS, E. ANEURIN
PINTO, M. R. *See* FONSECA, F.

RADFORD, CHARLES D. Notes on *Trombicula deliensis* Walch, 1923 (Acarina; Trombidiidae), with description of the adult. (With 9 Figures in the Text), 42
RADFORD, CHARLES D. Larval and nymphal mites (Acarina; Trombiculidae) from Ceylon and the Maldive Islands. (With 29 Figures in the Text), 46
REES, GWENDOLEN. A record of the nematode parasites of fishes from the Porcupine Bank, Irish Atlantic Slope and Irish Sea, 38
REES, GWENDOLEN. The anatomy of *Phyllobothrium dohrnii* (Oerley) from *Hexanchus griseus* (Gmelin). (With 20 Figures in the Text), 163
ROBINSON, G. G. The biology of *Ornithodorus delanoei acinus* Whittick, 1938, 82
ROONWAL, M. L. and NATARAJ, S. On two species of sucking lice (Anoplura, Haematopinidae) from the common North Indian five-striped squirrel (*Funambulus pennanti pennanti* Wr.). (With 1 Figure in the Text), 135

SMITH, KENNETH M. *Tobacco rosette*: a complex virus disease. (With Plates I and II), 21
SMITH, KENNETH M. Tomato black-ring: a new virus disease. (With Plates IV and V), 126
SMITH, KENNETH M. The transmission of a plant virus complex by aphides, 131
SMITH, KENNETH M. and LEA, D. E. The transmission of plant viruses by aphides. (With 7 Figures in the Text), 25
SPRENT, J. F. A. Studies on the life-history of *Bunostomum phlebotomum* (Railliet, 1900), a hookworm parasite of cattle. (With 26 Figures in the Text), 192
SPRENT, J. F. A. Some observations on the bionomics of *Bunostomum phlebotomum*, a hookworm of cattle. (With 2 Figures in the Text), 202

WATSON, J. M. Studies on the morphology and bionomics of a little-known holotrichous ciliate—*Balantiophorus minutus* Schew. Part III. Coprophilic habits and the effect of urine, 138
WILEY, A. J. *See* LEWIS, E. ANEURIN
WILSON, S. G. Seasonal occurrence of Ixodidae on cattle in Northern Province, Nyasaland. (With 2 Figures in the Text), 118

INDEX OF SUBJECTS

Aëdes aegypti, experiments upon the feeding of, through animal membranes with a view to applying this method to the chemotherapy of malaria, 85
Anoplura, Haematopinidae, two species of sucking lice, from the common North Indian five-striped squirrel (*Funambulus pennanti pennanti* Wr.), 135
Apolocystis elongata n.sp., a monocystid gregarine, observations on, in the seminal vesicles of *Eisenia foetida* (Sav.), 65
Arecoline hydrobromide, testing as an anthelminthic for hydatid worms in dogs, 185

Balantiophorus minutus Schew., a little-known holotrichous ciliate, studies on the morphology and bionomics of, 138
Biology of *Ornithodorus delanoei acinus* Whittick, 1938, 82
Bunostomum phlebotomum (Railliet, 1900), a hookworm parasite of cattle, studies on the life-history of, 192
Bunostomum phlebotomum, a hookworm of cattle, some observations on the bionomics of, 202

Chloride regulation and the function of the coxal glands in ticks, 172

East Coast Fever, *Rhipicephalus neavei* Warburton, 1912 as a vector of, 60
Ecology of the sheep tick, *Ixodes ricinus* L., distribution of the tick on hill pasture, 75
Eisenia foetida (Sav.), observations on a monocystid gregarine, *Apolocystis elongata* n.sp., in the seminal vesicles of, 65
Entamoeba histolytica, studies on. (IV) The relation of oxidation-reduction potentials to the growth, encystation and excystation of *Entamoeba histolytica* in culture, 101

Feeding of *Aëdes aegypti* through animal membranes, 85
Funambulus pennanti pennanti Wr., the common North Indian five-striped squirrel, two species of sucking lice from, 135

Ixodes ricinus L. and certain other species of ticks, water balance in, 1
Ixodes ricinus L., the feeding mechanism of, 154
Ixodes ricinus L., the sheep tick, ecology of: distribution of the tick on hill pasture, 75
Ixodidae on cattle in Northern Province, Nyasaland, seasonal occurrence of, 118

Malaria, studies on the exo-erythrocytic cycle of, 113
Mites (Acarina; Trombiculidae) larval and nymphal, from Ceylon and the Maldive Islands, 46

Nairobi sheep disease: the survival of the virus in the tick *Rhipicephalus appendiculatus*, 55
Nematode parasites of fishes from the Porcupine Bank, Irish Atlantic Slope and Irish Sea, 38

Ornithodorus delanoei acinus Whittick, 1938, biology of, 82

Phyllobothrium dohrnii (Oerley) from *Hexanchus griseus* (Gmelin), the anatomy of, 163
Plant viruses, transmission of, by aphides, 25

Rhipicephalus appendiculatus; survival of the virus of Nairobi sheep disease in the tick, 55
Rhipicephalus neavei Warburton, 1912 as a vector of East Coast Fever, 60

Tick from Glamorgan, a note on an unusual male, 152
Tobacco rosette: a complex virus disease, 21
Tomato black-ring: a new virus disease, 126
Transmission of a plant virus complex by aphides, 131
Transmission of plant viruses by aphides, 25
Trombicula deliensis Walch, 1923 (Acarina; Trombidiidae), with description of the adult, 42

Water balance in *Ixodes ricinus* L. and certain other species of ticks, 1